

The Determination of Moisture in Coke With
Neutrons, by H. Dresia.

GERMAN, per, Brennstoff-Chemie, Vol XLIII,
No 3, 1962, pp 86-88.

Dept of Interior
TN7 E57 No 697

Sci-~~XXXX~~IM/M

Oct 63

241,483

Timofeev, P. P., Yablokov, V. S., and Bogolyubova, L. I.

THE ORIGIN AND GENETIC CLASSIFICATION OF THE HUMIC (BITUMINOUS) COALS OF THE PRINCIPAL COAL BASINS OF THE USSR (Die Entstehung und die Genetische Klassifikation von Humuskohlen der Hauptbecken der UdSSR). [1963] [20p] (foreign text included) 12refs

Order from SLA \$1.60

63-20195

Trans. of Brennstoff-Chemie (West Germany) 1962, v. 43, no. 4, p. 97-105.

DESCRIPTORS: *Coal, *Minerals, Sources, Classification, *Economic geology, *Geochemistry, Lignin, Cellulose, Bitumens.

The principles of a genetic classification are explained. The distinction between the individual groups, classes, (Earth Sciences--Mineralogy, TT, v. 10, no. 11)(over)

63-20195

I. Timofeev, P. P.
II. Yablokov, V. S.
III. Bogolyubova, L. I.

Office of Technical Services

TT-65-12294

Field 21D

Meter zu Koecker, H.
THE EFFECT OF THE HYDROCARBON COMPONENTS ON
THE SOOT FORMING TENDENCY OF LIQUID FUELS FOR
EVAPORATION BURNERS, 15p, 11refs.
Order from SLA: \$1.60 as TT-65-12294

Trans. of ~~Birmingham~~ (West Germany) v43 n5
p129-34 1962,

I. Meter zu Koecker, H.

MR 629

Ufford, J. J. Quarles van and Vlugter, J. C.
SULFUR AND BITUMEN L. [1962] 18p. (foreign text
included) 10 refs.
Order from SIA \$1.60

63-10011

Trans. of Brennstoff-Chemie (West Germany) 1962,
v. 43, no. 6, p. 31-34.

DESCRIPTORS: *Bitumens, *Sulfur, Sulfur compounds,
Mixtures, Mechanical properties, Chemical reactions

(Engineering--Chemical, TT, v. 9, no. 9)

63-10011

I. Ufford, J. J. Q. van
II. Vlugter, J. C.

Office of Technical Services

The Measurement of Coking Pressure and Its
Application in the Coke Plant, by Walter Radmacher.

GERMAN, per, Brennstoff-Chemie, Vol XLIII, 1962,
pp 106-108.

Dept of Interior
TNT R57 No 553

Sci - Min/Mat
Oct 62

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Ufford, J. J. Quarles van and Vlugter, J. C.
SULFUR AND ASPHALT, I. [1962] 9p. 10 refs.
Order from SLA \$1.10 63-10131

Trans. of Brennstoff-Chemie (West Germany) 1962,
v. 43, no. 6, p. 173-176.

DESCRIPTORS: *Sulfur, *Sulfur compounds, *Asphalt,
Mixtures, Chemical reactions, Mechanical properties.

In a mixture with asphalt, sulfur behaves primarily as a plasticizer. The mixture has a higher penetration index and a lower Fraass breaking point than the original asphalt. The plastic properties of sulfur are quickly lost because a change from plastic to crystalline sulfur takes place. If polymethylene tetrasulfide is used instead of elemental sulfur, it appears that the effect of this polymer on asphalt is very similar to that of sulfur. This mixture also has a higher penetration index and a lower Fraass point. However, the plastic nature of the polymer in the mixture is not so easily lost. A dis-
(Engineering-Chemical, TT, no. 9, no. 10) (over)

63-10131

I. Ufford, J. J. Q. van
II. Vlugter, J. C.

Office of Technical Services

Polymerization and Chemisorption of Ethylene and Propylene
on Bituminous Coal, by Carl Kroger, Rabe Hans Georg.

G. V. KROGER, per. Brennstoff-Chemie, Vol XLIII(6), 1962,
p. 179-185.

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Sol - H/H
Nov 68

By-Products in the Course of Carbonisation at
Different Heating-Flue Temperatures, by R. Bachmann.

CHEMISCH, per, Brennstoff-Chemie, Vol XIII, 1962,
pp 241-251.

Dept of Interior
TR 157 No 671

Sol-Chem

Jul 63

2/2/9/0
BCHA 70 235,658

Progression of Temperature at the Centre
and at the Chamber Wall of a Coke Oven,
by F. Trefny.

GERMAN, per, Brennstoff-Chemie, Vol 43,
Aug 1962, pp 251-252.

BISH 4544

CEL/T. 2358

EE-Germany

Sci/1001

Mar 66

297,191

63-12762

Funakubo, E., Taniguchi, H., and Uejima, A.
THE ANALYTICAL SEPARATION OF HYDROCARBONS
BY THE FIA (FLUORESCENCE-INDICATOR-
ADSORPTION ANALYSIS) METHOD, PT. 1: DERIVA-
TION OF FUNDAMENTAL RELATIONSHIPS. [Feb 63]
8p.

Order from ATS \$10.50 ATS-53P66G

Trans. of Brennstoff-Chem[ie] (West Germany) 1962,
v. 43, no. 9, p. 260-263.

DESCRIPTORS: *Hydrocarbons, Chemical analysis,
Separation, *Fluorescence, *Chemical indicators,
Adsorption.

I. Title: Fluorescence-
indicator-adsorption
analysis

I. Funakubo, E.

II. Taniguchi, H.

III. Uejima, A.

IV. Title: Derivation...

V. ATS-53P66G

VI. Associated Technical
Services, Inc.,
East Orange, N. J.

(Chemistry--Analytical, TT, v. 9, no. 7)

Office of Technical Services

The Desalting of Petroleum, by W. Stock,
R. Zumann, 6pp
GERMAN, per, Brennstoff-Chemie, Vol 43, 1962,
No 9, pp 266-268
SIA TT-64-30041

Sci - Eng
May 67

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Dilatometric Behaviour and Plastic Properties of a Vitrinite and Its Pyridine Extraction Products, by K. Hoehne, H. Tschamler.

GERMAN, per, Brennstoff-Chemie, Vol XLIII, No 9, 1962, pp 277-279.

CRL/T 1280

Sci-EXXYPuels

Aug 63

342,018

Effect of Temperature on High-Temperature Carbonization
in Top-Charged Horizontal Ovens, by W. Simonis,
H. Weckamp, et al.

CHENNAH, per, Brennstoff-Chemie, Vol XLIII, 1962,
pp 289-297.

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TNY 157 No 670

Ref - Chem

Jul 63

4/19/61 235659
BCRA 2
CRL/T. 1279

Funakubo, E., Taniguchi, H., and Uejima, A.
THE ANALYTICAL SEPARATION OF HYDROCARBONS
BY THE FIA (FLUORESCENCE-INDICATOR-
ADSORPTION ANALYSIS) METHOD, PT. 2: EXPERI-
MENTAL VERIFICATION OF THE FUNDAMENTAL
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Order from ATS \$13.95 ATS-54P66G

Trans. of Brennstoff-Chem[ie] (West Germany) 1962,
v. 43, no. 10, p. 302-308.

DESCRIPTORS: *Hydrocarbons, Chemical analysis,
Separation, *Fluorescence, *Chemical indicators,
Adsorption.

See also ATS-53P66G

(Chemistry--Analytical, TT, v. 9, no. 7)

63-12774

- I. Title: Fluorescence-
indicator-adsorption
analysis
- I. Funakubo, E.
- II. Taniguchi, H.
- III. Uejima, A.
- IV. Title: Experimental...
- V. ATS-54P66G
- VI. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS/764-GJ

Office of Technical Services

On the Production of Mixed Coke From Hard and Brown Coals
Using Oily Additives. II. Behaviour of Brown Bright Coal, by
D. ~~MIREW~~ Mirew, D. Ruscew.
GERMAN, ~~per~~, Brennstoff-Chemie, Vol XLIII, No 11, 1962,
pp 824-327.

CRL/T. 1303

Sci - M/M

Feb 64

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Thermal Decomposition of Hard Coals as a Function
of the Particle Size. 1. microscopic and
Thermogravimetric investigations, by H. Luther,
B. Busmann.

GETSMAN, per, Brennstoff-Chemie, Vol XLIII,
No 12, 1962, pp 353-361.

CRL/T. 1295

Sci-Fuels

Oct 68

Influence of Drying and Preheating of Coking
Coal on the Coking Process and the Character-
istics of a Coke. II. Practical Application,
by W. Baumann, D. Breidenbach.

GERMAN, per, Brennstoff-Chemie, Vol XLIII,
No 12, 1962, pp 362-365.

CRL/T. 1297

Sci-Puehl

Oct 63

241, 391

TT-65-12470

Field 21D

Herbst, G.
CARBON BLACK FORMATION FROM HYDROCARBONS IN
COKERY GAS OR IN SIMILAR FUEL GASES AND A POSSI-
BILITY OF ITS MODULATION. Paper presented at 'Gas
Chemiker Erfahrungsaustausch' Essen, 19 Sep 62. 12p.
19 refs.
Order from SLA: \$1.60 as TT-65-12470

Trans. of Brunnstoff-Chemie (West Germany) v44 n1
p1-5 1963.

I. Herbst, G.
II. Title: Gas ...

NR 634

Influence of Boundary Surface Reactions on the Formation of
Coke From Coal Mixtures, by H. Barling, C. Eymann.
GERMAN, per, Brennstoff-Chemie, Vol XLIV, No 1, 1963,
pp 11-20.

CRL/T. 1323

Sci - M/M

250,133

Feb 64

On the Reactivity of Coke. III. Reactivity and Internal Structure
of Moulded Coke Charged in the Cupola Furnace, by W. Peters,
J. Langhoff.
GERMAN, per, Brennstoff-Chemie, Vol XLIV, No 2, 1963,
pp 43-48.

CRL/T. 1307

Sci. - Engr

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The Thermal Decomposition of Hard Coals as a
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NCB A.2301/JG

Sci - M/M
Apr 64

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Fundamental Thoughts on Evaluation of the Physical
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1968, pp 68-81.

BISI 3355

CRL/T. 1423

Sci - M/ram
Feb 64

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On the Softening Behaviour of Coals of Various
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1963, pp 97-104.
BISI 3694

Sci - M/M
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Order from ATS \$13.95 ATS-87Q71G

Trans. of ~~Brenntag~~ ~~Chemie~~ (West Germany)
1963, v. 44, no. 4, p. 110-118.

DESCRIPTORS: *Hydrocarbons, Decomposition,
*Gasoline.

(Materials--Fuels, TT, v. 11, no. 4)

TT-63-22944

- I. Title: Cracking
- I. Fichler, H.
- II. ATS-87Q71G
- III. Associated Technical
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East Orange, N. J.

Office of Technical Services

The Results From Coke Microscopy in Relation to the
Position of the Coke Lumps in the Coke Oven Chamber, by
M. U. Otte.
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pp 144-149.

BISI 3422

Sci - KChem
Feb 64

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On the Influence of the Coking of
Technically Inert ~~XXX~~ Substances of
Variable Particle Size and Variable Specific
Surface Area on the Plastic Behaviour of a
~~XXXXXX~~ Coking Coal, by H. Pichler,
K. H. Lauer.

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Sci-M/M

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The Analysis of Phenol Mixtures by Means of
Their Oxygen Absorption and Application of
This Process to the Determination of the
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and to the Detection of Lignin Derivatives in
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NTC-71-15032-07C

Feb 72

Examinations of thin sections of coal using the
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examples of application, by H. Luther.
GERMAN, per, Brennst-Chem. Vol 44, No 8, 1963.
pp 52-246 - 252
CRL/T. 1559

Sci -
Sep 67

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TT-64-16499

Dorner, K.
METHOD FOR ISOLATION OF COMPONENTS FROM
GAS CHROMATOGRAMS (Verfahren zur Isolierung von
Komponenten aus Gaschromatogrammen). [6p] (foreign
text included)
Order from SLA \$1.10

TT-64-16499

Trans. of [Bayerische Chemie] (West Germany) 1963,
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I. Dorner, K.

(Chemistry--Analytical, TT, v. 12, no. 4)

Office of Technical Services

Influence of the Particle Size of Hard Coal
Samples on the Result of the Dilatometer Test,
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GERMAN, per, Brennstoff-Chemie, Vol XLIV,
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CRL/T 1639

Sci - Engr
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On the Constitution of Hard Coal Macerals, by C.
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CRL/T 1673

Sci -
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GERMAN, per, Brennstoff-Chemie, Vol XLIV,
No 12, 1963, pp 364-368.
*INDEX 3710

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GERMAN, per, Brennstoff-Chemie, Vol XLIV, No 12,
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BISI 371.0

77-68-16708

(Jm 3 1346)

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Nov 64

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CRL/T 1831

Sci -
Sep 67

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Remarks on the Classification of Coke Lamps
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and R.

GERMAN, per, Brennst.-Chem., Vol. 45, No 1,
1964, pp 21-26
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Sci -
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Oxyhumodiles of Hard Coals From Afghanistan,
Egypt, Columbia and Iran - coal Varieties in
the Weathering Zone of Hard Coal Strata, by
H. Jacob.
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CSIRO/No.7141

Sci -
Aug 67

334,909

New results on Methane Sorption and Microstructure
of Hard coals, Mechanism of methane sorption and
internal surface areas available at room tempera-
ture, by H. Juntgen, J. Langhoff.
GERMAN, per, Brennst-Chat. Vol 45, No 2, 1964.
pp 4-50 CRL/T 1828

Sci -
Sep 67

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On Hard Coal Oxyhumodiles From Afghanistan,
Egypt, Colombia, and Iran. Coal Varieties
of Weathering Zone of Hard Coal Seams. 2.
Ultimate Analysis, Volatile Matter and
the Quality of Crucible Coke. Moisture
Holding Capacity, Carbonization and extraction
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CRL/T. 1627

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NTC 70-16977-08G

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New results of Methane Sorption and Microstructure of
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Sci -
Sep 67

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Swelling Pressure of Coal,
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No 5, 1964, pp 151-155.
DISI 4257

Sci/MGM
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BISKI 3976

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Sci-MH
Apr 65

Handling Pressure of Gases - III. The
handling pressure permissible in
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J.L.M.C. Meertens, et al.
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BSE 4088

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Spraying of Mineral Oil on Coal, by Gunten.

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NCB A 1587

Sci

Jm 63

under from NTC

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1927 V9 ND P105- 70-23025 <*>
1931 V13 NR P23-26 70-23024 <*>

63-10438

Wilke, W.
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TION OF COAL. 24 Dec 30 [29]p.
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1929 [v. 12] Nov, p. 427-433.

DESCRIPTORS: *Coal, Coal gas, *Fuel oil, Lubricants,
*Benzol, Synthesis, Decomposition, Distillation,
Hydrogenation, Hydrocarbons, Organic materials,
*Petroleum, Petroleum industry.

1. Wilke, W.

(Engineering--Chemical, TT, v. 9, no. 6)

Office of Technical Services

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Schwaigerer, 5 pp.

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SLA 60-18104

Sci

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Sealing Strips, by S. Schwalgerer, W. Seufert, 17 pp.

GERMAN, per, Brennstoff-Warme-Kraft, Vol III,
1951, pp 144-148. 9098287

AEC Tr-4965

Sci - Engr
Apr 62

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Pressure Control in Steam Generators, by
R. Oetker.
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C.E. Trans 5338D

Sci-Mech
June 70

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Dec 59

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Sci - Engineering
Apr 57

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Acetylene With Regard to Its Utiliza-
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GERMAN, per, Brennstoff-Wärme-Kraft,
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SLA 60-18006

Sci

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Feb 62

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^{Galv}
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MILLING EXPERIMENTS WITH A FULLER-PETERS-
MILL. [1964] [26]p (12 figs omitted)
Order from SLA \$2.60

TT-64-16246

Trans. of ~~Braunhoff-Wilms-Kraft~~ (West Germany)
1953, v. 5, no. 2, p. 45-49

(Engineering--Chemical, TT, v. 12, no. 3)

TT-64-16246

I. Wisser, H.
II. Flamm, A.

Office of Technical Services

Noss, P.
DUST REMOVAL FROM FLUE GAS [1961] 3p (11g
omitted) 20 refs.
Order from SLA \$4.10

61-20918

Trans. of Brennstoff-Wärme-Kraft (West Germany)
1953, v. 5, Apr, p. 116.

DESCRIPTORS: *Particles, *Cleaning, *Gases, *Dis-
posal, Industrial plants, *Electric filters, Separat on,
Particulate filters

(Engineering -- Sanitation, TT, v. 7, no. 9)

61-20918

1. Title: Dust removal
1. Noss, P.

Office of Technical Services

Fouling and Cleaning of Heating Surfaces When Burning
Alk Alkali-Rich Grude Lignite, by Engler, Kurt.

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No 7, July 1953, pp 237-239.

Assoc Tech Sv
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Sci - Engineering, Electricity

(36.45)

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Sci - Engt
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S.I.A. Tr 1839

Sci - Engineering
Apr 57

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The Behaviour of the Natural Circulation in
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No 1, 1955, pp 1-10.

A.E.S.E. Harwell
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Sci - Engineering, ~~Science~~

Aug 1956

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The Harburg District Heating Station,
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MIS-643273

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Ferritic Steel at High Pressures and Tempera-
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No 7, Jul 1956, pp 333-336.

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No 10, Oct 1957, pp ~~7~~-490.

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Eco-Nuclear physics
Sci-Nuclear physics

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311 Albert Street
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C. 2, Vic.

Sci

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Apr 1959, pp 178, 179.

Dept of Interior
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Sci

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Sci - Phys

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Laboratory Experiments on the Behavior of Fuels
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